HYUNDAI
SERVICE ROBOT SERIES



HYUNDAI ROBOTICS

HYUNDAI
SERVICE ROBOT SERIES



HYUNDAI D2



HYUNDAI W3



HYUNDAI T8



HYUNDAI T5



HYUNDAI D1



HYUNDAI T1



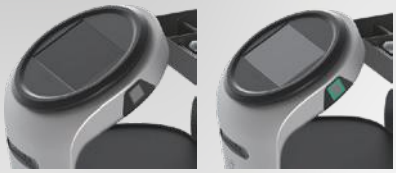
HYUNDAI S1



HYUNDAI T6

SERVING ROBOT

HYUNDAI S1



Multi Interaction
Various ways to communicate with users, such as screen displays, side buttons, voice recognition and so on



Tray Height Control
Can adjust the height depending on the tray size. Can support to level 1 to 3 for a user's convenience.



Auto Driving & Charging
Various sensors used to facilitate safe auto driving. If necessary, automatic battery charging can be provided.



Various Tray Options
Various configurations are available. Can use the tray depending on the purpose of use.



Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

Specs

Size		56×56×125cm
Weight		60kg
Speed		1.5m/s
Charging time		2h
Operation time		8~15h
Tray	Size	41×56cm
	Of units	Max 3
	Varying weight	30kg
	Options	Pocket, drink, drink cup, tray return (mid, large)



Tray Options















Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

SERVING ROBOT

HYUNDAI T1

Touch Sensor
Gentle touch can ensure a speedy return to the home position.

UI based Touch Screen
Free implementation of start, stop, cancel, return functions and so on.



Smart Voice Recognition System
User's voice commands are accurately recognized.

Infrared Object Detection System
It detects the object stacking status on the shelf and quickly performs auto homing.

Specs

Size	50×50×120cm
Weight	58kg
Tray size	40×35cm (bottom layer 28×28cm)
Tray of units	Max 3
Tray varying weight	10kg
Speed	1.2m/s
Charging time	5h
Operation time	12~15h
Battery	DC 48v 12Ah
Minimal moving width	70cm
Charging method	Manual
Operation system	TAG

Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

SERVING ROBOT

HYUNDAI T5

Multi-Control System
Multi-controls among robots for multi-serving.



Smart Object Detection and Avoidance
Multi-detection function such as radars, proximity sensors, cameras, collision sensors, infrared sensors and so on.

Can respond to a Complex Environment
Excellent environmental adaptation for driving such as ground tilt, speed limit area setting and so on.

Specs

Size	50×50×120cm
Weight	55kg
Tray size	49×40cm
Tray of units	Max 4
Tray varying weight	10kg
Speed	1.2m/s
Charging time	5h
Operation time	12~15h
Battery	DC 48v 12Ah
Minimal moving width	70cm
Charging method	Auto / Manual
Operation system	SLAM/TAG

Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

SERVING ROBOT

HYUNDAI T6

Multi-Point Delivery
Can deliver dishes to four tables at the same time.

AI Navigation System
SLAM based smart location detection and route detection.



Low Power Driving Available
Once charged, it can be used for max 15 hours.

Specs

Size	52×53 ×125cm
Weight	52kg
Tray size	51×42cm
Tray of units	Max 4
Tray varying weight	10kg
Speed	1.2m/s
Charging time	5h
Operation time	12~15h
Battery	DC 48v 12Ah
Minimal moving width	70cm
Charging method	Auto / Manual
Operation system	TAG

Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

SERVING ROBOT
HYUNDAI T8

Self Location Detection Navigation
High precision navigation function using laser sensors, proximity sensors, cameras and so on.



Optimal Serving for Small Table Intervals
Can drive through small space between tables(55cm).

Specs

Size	38×45×107cm
Weight	32kg
Tray size	38×34cm
Tray of units	Max 3
Tray varying weight	5kg (bottom level 10kg)
Speed	1.2m/s
Charging time	5h
Operation time	13~16h
Battery	DC 48v 12Ah
Minimal moving width	55cm
Charging method	Auto / Manual
Operation system	SLAM/TAG

Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

HOTEL ROBOT

HYUNDAI W3

Linkage to the Elevator
Self location detection navigation for stable auto-boarding in the elevator.



Medical UV Sterilization
It can discharge food odors from the storage and perform sterilization and prevent contacts with viruses at the same time.

Specs

Size	45×55×108cm
Weight	48kg
Storage box quantity	Max 4
Storage capacity	10kg
Speed	1.2m/s
Charging time	5h
Operation time	6~8h
Battery	DC 48v 12Ah
Minimal moving width	70cm
Charging method	Auto / Manual
Operation system	SLAM

Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

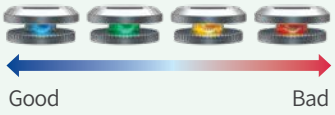
DISINFECTION ROBOT

HYUNDAI D1



Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

Specs

Size	56×56×120cm	LED indicator lamp	
Weight	74kg		
Max driving speed	1.5m/s		
Charging time	2h		
Operation time	5~8h		
Disinfection area size	152m²		

Characterisitcs



Face-to-face disinfection function

This model can support face to face disinfection works. Advantages compared to competing vendors include : Ozone generation 0.0017ppm

*Pemitted level : Korean(0.06ppm), WHO(0.05ppm)



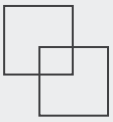
Sterilization and air purification function

Floor UVC sterilization, air plasma sterilization (COVID-19 viruses and various harmful germs sterilization), air purification function (triple filter)



8 types of sensors mounted

3 types of fine particles (PM 1.0/2.5/10.0), ozone, CO_2, TVOC(organic compounds), temperature, and humidity, a total of 8 different sensors mounted.



Excellent lineup

Owns 2 product lineups for each area size. (66m² and 152m²)









Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

DISINFECTION ROBOT
HYUNDAI D2



Specs

Size	45×45×105cm
Weight	45kg
Max driving speed	1.5m/s
Charging time	4h
Operation time	8~15h
Disinfection area size	66m²

LED indicator lamp

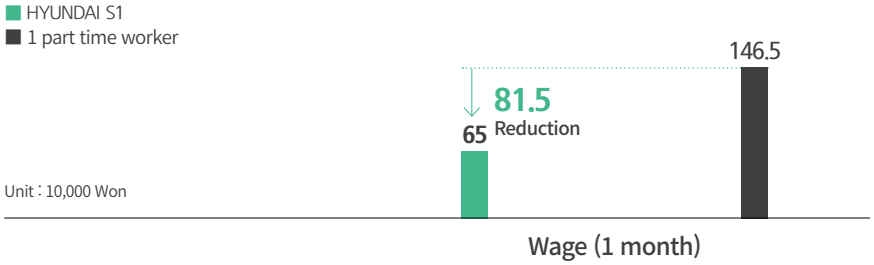


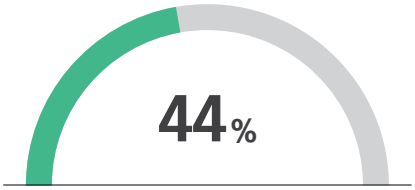
Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

EXPECTED OUTCOMES OF SERVING ROBOT INTRODUCTION

SERVING ROBOT

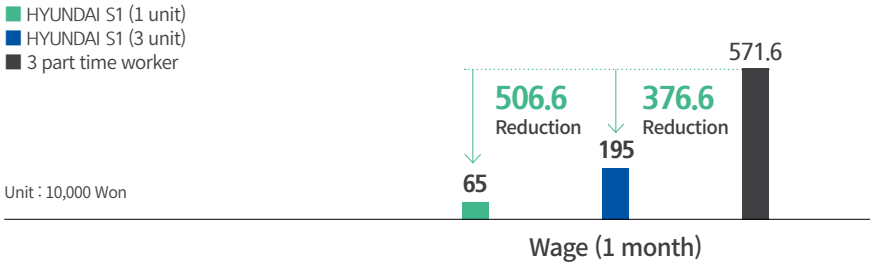
8 hours/day, 20 days/month

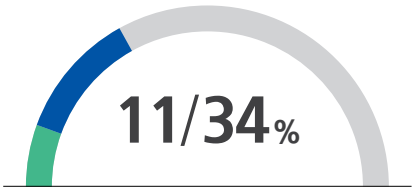




Cost effectiveness compared to part time worker

24 hours/day, 30 days/month





Cost effectiveness compared to part time workers

No need for rest and HR management

No smoking/ no requests for holidays or on-leaves in a year/month

No human error

Perfect job handling for a given instruction

Lifetime worker

Unlike part time workers who often leave the job, employers can hire or fire them when they want to



The control method was really simple so it was very easy to use. The more we used it the less hard we had to work to carry heavy foods, so there was less burden of works for employees.

Mad for Garlic Bongeunsa, Manager Y

I was not familiar to it first, but I tried it anyway, and I was able to give good services to the customers. And the customers who see it for the first time like it very much because it is interesting and amazing.



Modern Shabu House Gwanghamun, Manager K

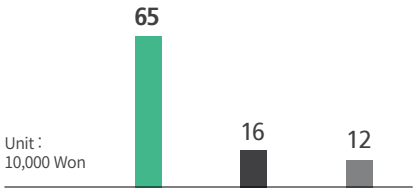
Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

EXPECTED OUTCOMES OF DISINFECTION ROBOT INTRODUCTION

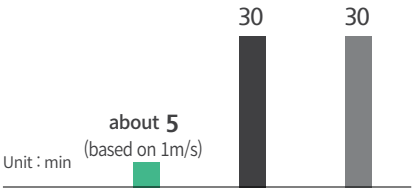
DISINFECTION ROBOT

165m² office

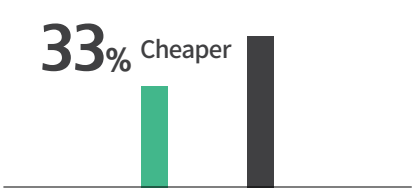
HYUNDAI D1 | South Korea's leading disinfecton company (C) | South Korea's leading disinfecton company (V)



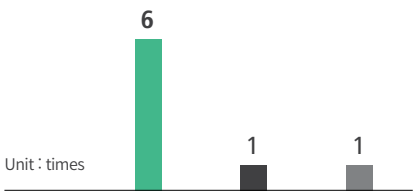
Monthly costs



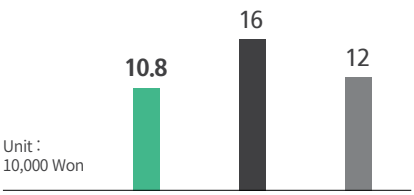
Time required for one disinfection session



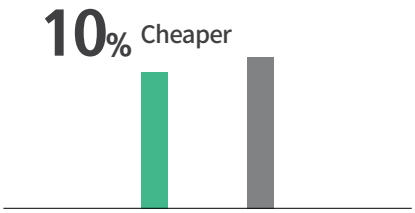
Cost of HYUNDAI D1 compared to company C



# of disinfection sessions(30 min)



Cost for one disinfection session



Cost of HYUNDAI D1 compared to company V

Face-to-face disinfection function

Due to toxicity from the disinfection machine, when a company is hired for disinfection, every area should be vacant.

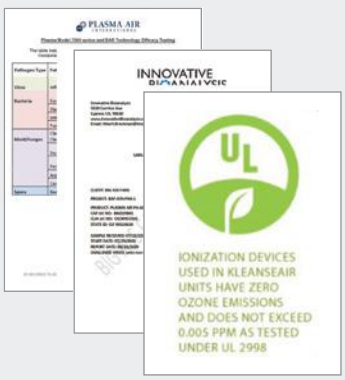
Other rental costs can be reduced

If a disinfection company is hired, there is some additional cost such as air purifier rental and so on.

24hr non stop disinfection helper

Can get disinfection service anytime in a day without having to make a reservation for disinfection everytime

Disinfection Module Test Report

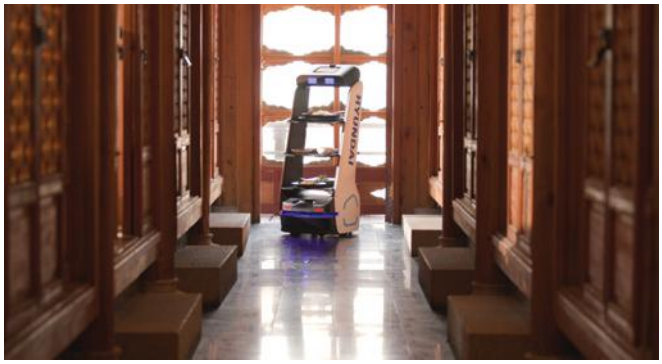
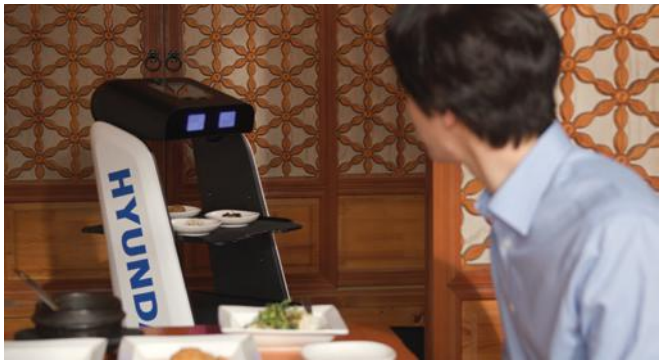


Type	Sterilization effect	Certification body	Year of certification
Inlfuenza	86.6%	Kitasato Research Center	2011
Colon bacillus	99.43%	EMSL analytical	2011
Staphylococcus aureus	91.5%	EMSL analytical	2011
Methicillin-resistant staphylococcus aureus infection	99.47%	EMSL analytical	2011
Bacillus pyocyaneus	99.9%	Istanbul University	2011
Strawberry flower fungus	97.69%	EMSL analytical	2011
Blue fungus	95%	Boatman	2006
Black fungus	97.14%	EMSL analytical	2011
Yeast like fungi	36.27%	EMSL analytical	2011
Bacillus	89.3%	Istanbul University	2011
Corona virus	PASS	Aerosol Research and Engineering	2020

Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

Product Inquiry and Installation

Product Inquiry	Contact us at or E-mail(info.europe@hyundai-robotics.com), LinkedIn channel or Phone call(+49-176-64652101) anytime to get consulting. We will make sure you can have your robot installed anytime you want.
Solution Proposal	Service robot solution experts will visit your shop to suggest the best service robot for your environment.
Robot Installation	Installation technician will install a robot for you.
Robot A/S	You can register service requests for 24 hours a day through E-mail or Phone call. Our regional HQ will contact you immediately.







Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

HRO-HI-L-2022.04-EN-REV01

HYUNDAI ROBOTICS

Homepage SERVING ROBOT DISINFECTION ROBOT Youtube Linkedin

Contact (E-mail : info.europe@hyundai-robotics.com / Tel : +49-176-64652101)

www.hyundai-robotics.com